

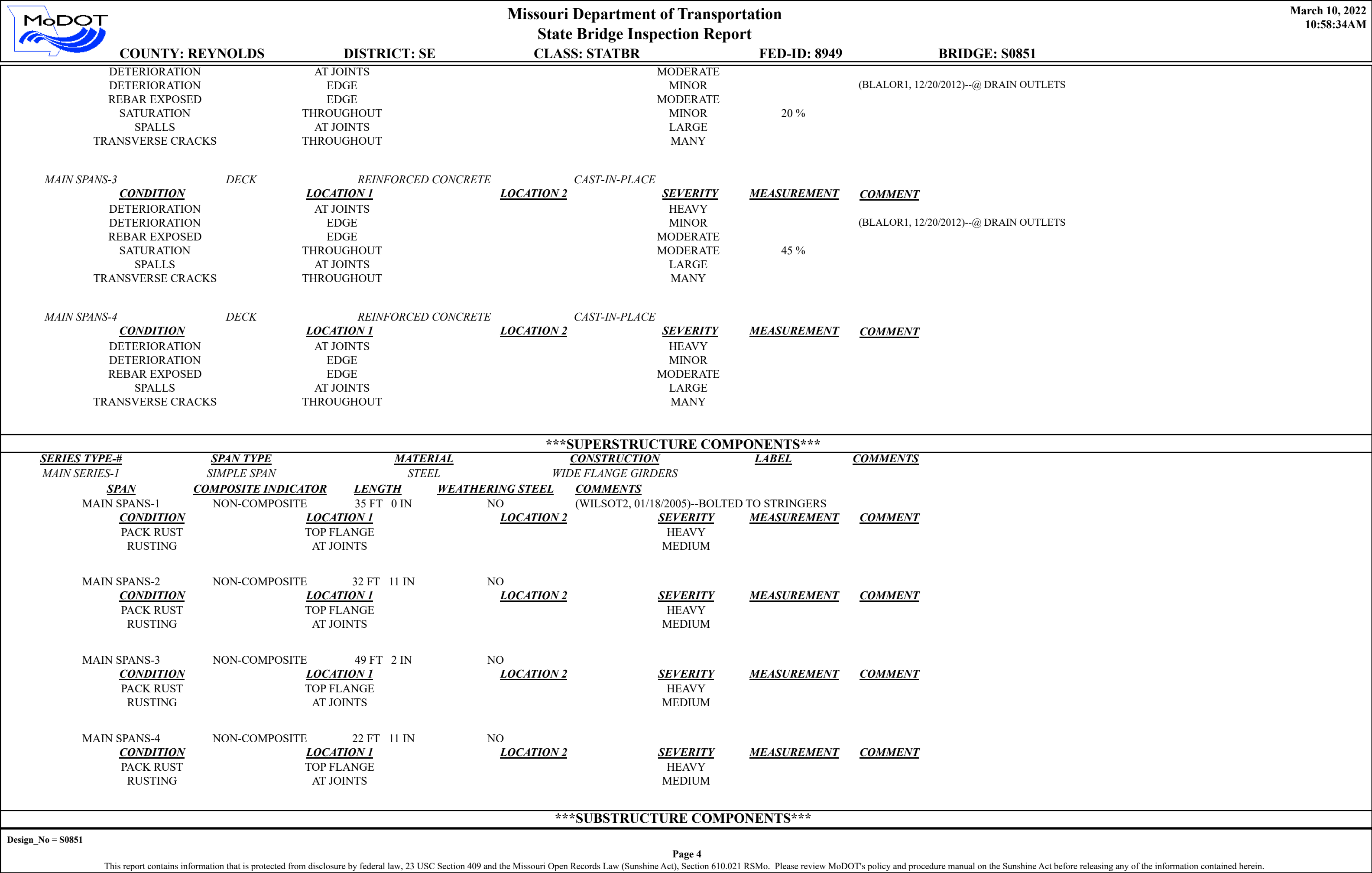
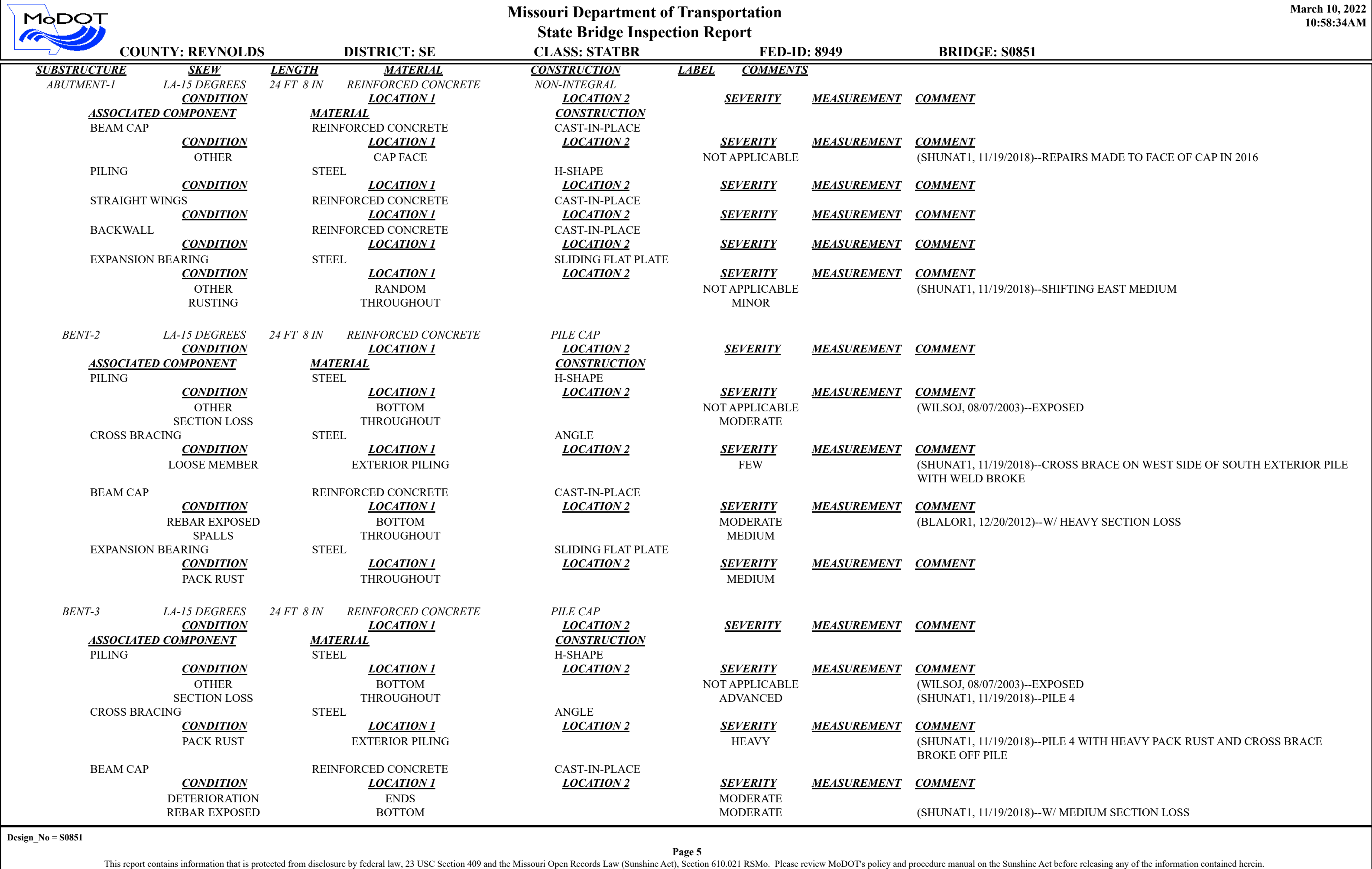
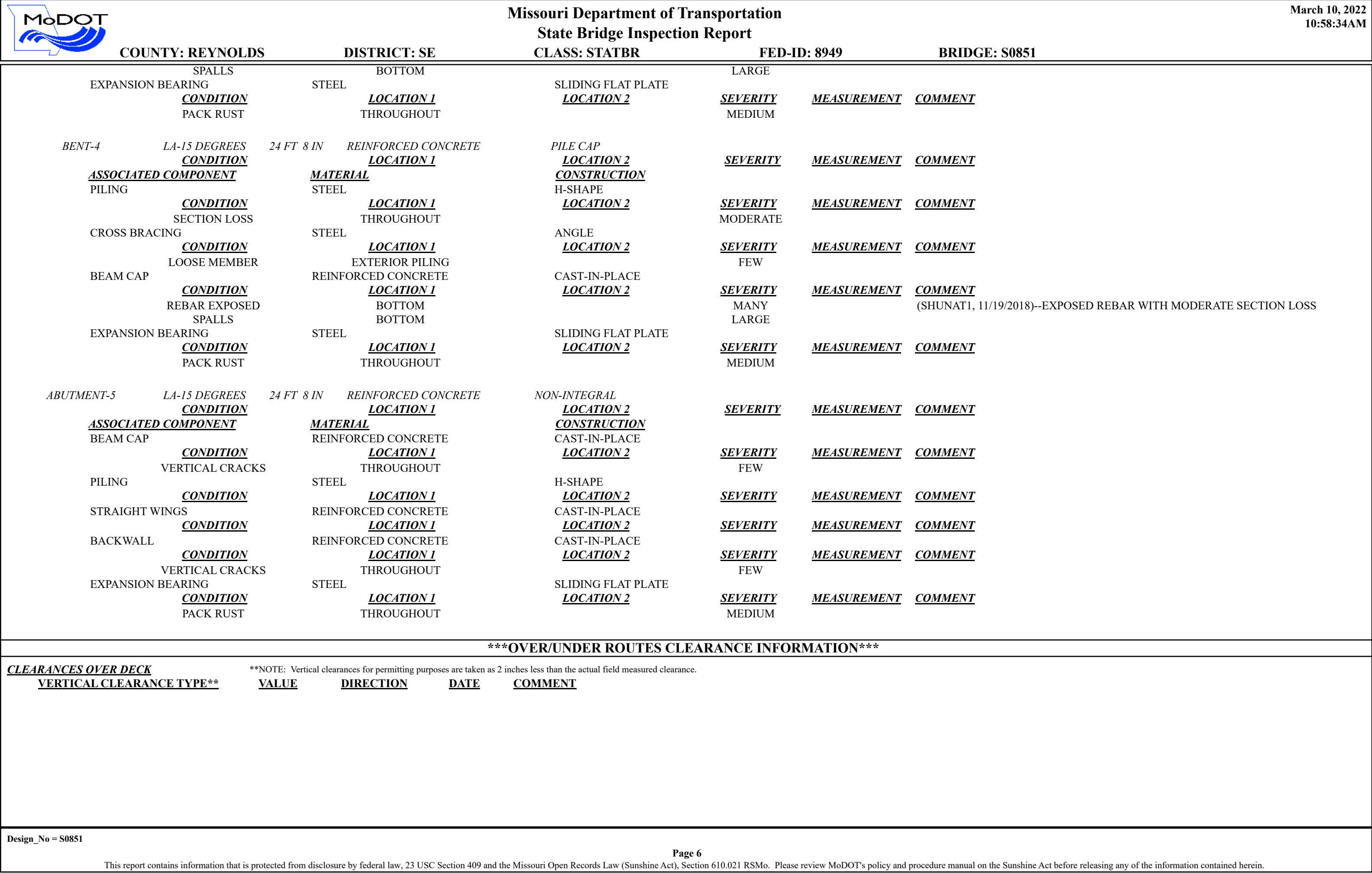
		<div>Missouri Department of Transportation</div> <div>State Bridge Inspection Report</div>				<div>March 10, 2022</div> <div>10:58:34AM</div>							
COUNTY: REYNOLDS		DISTRICT: SE		CLASS: STATBR		FED-ID: 8949		BRIDGE: S0851					
GENERAL STRUCTURE INFORMATION							***BRIDGE INSPECTION INFORMATION***						
<div>ROUTE: RTBS</div> <div>FEATURE: LOGAN CR</div> <div>STATUS: P-POSTLOAD</div> <div>LOG MILE: 17.055</div> <div>DETOUR: 42.00 MILES</div> <div>NHS: NO</div> <div>BUILT: 1935</div> <div>REHAB: 1994</div> <div>LOCATION: S 5 T 29 R 1 E</div> <div>LATITUDE: 37 13 55.71 (DMS)</div> <div>LONGITUDE: 91 4 36.03 (DMS)</div>		<div># SPANS: 4</div> <div>LANES ON: 2</div> <div>LANES UNDER: 0</div> <div>COMPASS DIRECTION: EAST to WEST</div> <div>DIRECTION OF TRAFFIC: 2-WAY TRAF</div> <div>FUNCTIONAL CLASS: RL-MAJOR COLLECTOR</div> <div>NBI OWNER: MODOT</div> <div>NBI MAINTAINED: MODOT</div> <div>MAINTENANCE DISTRICT: SE</div> <div>MAINTENANCE COUNTY: REYNOLDS</div> <div>SUB AREA: 7H15</div>		<div>PLACE CODE: 43598 LOGAN</div> <div>LENGTH: 140 FT 0 IN</div> <div>MAXIMUM SPAN: 49 FT 2 IN</div> <div>APPROACH ROADWAY: 20 FT 0 IN</div> <div>CURB TO CURB: 20 FT 0 IN</div> <div>OUT TO OUT: 21 FT 4 IN</div> <div>AADT: 274</div> <div>AADT YEAR: 2021</div> <div>AADT TRUCK: 11.4%</div> <div>FUTURE AADT: 384</div> <div>FUTURE AADT YEAR: 2041</div>		<div>DATE: 11/16/2020</div> <div>RESPONSIBILITY: DISTRICT</div> <div>FREQUENCY: 24</div> <div>CALCULATED INTERVAL**: 12</div> <div>TEAM LEADER: DAVID PROCK</div> <div>ELEMENT: NO</div> <div>INSPECTOR 2: MELANIE RICKARD-ELMOINSPECTOR 4:</div> <div>INSPECTOR 3:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>							
						<div>GENERAL INSPECTION COMMENTS</div>							
FRACTURE CRITICAL INSPECTION INFORMATION					***INDEPTH INSPECTION INFORMATION***								
<div>DATE:</div> <div>FREQUENCY:</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY:</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3:</div> <div>INSPECTOR 4:</div> <div>CATEGORY:</div> <div>NBI:</div> <div>METHOD:</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>								
<div>FRACTURE CRITICAL INSPECTION COMMENTS</div>					<div>INDEPTH INSPECTION COMMENTS</div>								
SPECIAL INSPECTION INFORMATION					***UNDERWATER INSPECTION INFORMATION***								
<div>DATE: 01/10/2013</div> <div>FREQUENCY: 120</div> <div>TEAM LEADER:</div> <div>INSPECTOR 2: PATRICK MARTENS</div> <div>** When calculated interval exceeds the frequency, a justification comment per BIRM is required.</div>					<div>RESPONSIBILITY: DISTRICT</div> <div>CALCULATED INTERVAL**:</div> <div>INSPECTOR 3: TERRY WILSON</div> <div>INSPECTOR 4:</div> <div>CATEGORY: CHANNEL CROSS SEC</div> <div>NBI: NO</div> <div>METHOD: WT TAPE</div>								
<div>SPECIAL INSPECTION COMMENTS</div>					<div>UNDERWATER INSPECTION COMMENTS</div>								
OTHER SPECIAL INSPECTIONS					OTHER UNDERWATER INSPECTIONS								
<div>DATE</div> <div>01/10/2013</div>	<div>FREQUENCY</div> <div>999</div>	<div>CATEGORY</div> <div>QUALITY ASSURANCE</div>	<div>NBI</div> <div>NO</div>	<div>CALCULATED INTERVAL</div>	<div>RESPONSIBILITY</div> <div>BRIDGEDIV</div>	<div>METHOD</div>	<div>DATE</div>	<div>FREQUENCY</div>	<div>CATEGORY</div>	<div>NBI</div>	<div>CALCULATED INTERVAL</div>	<div>RESPONSIBILITY</div>	<div>METHOD</div>

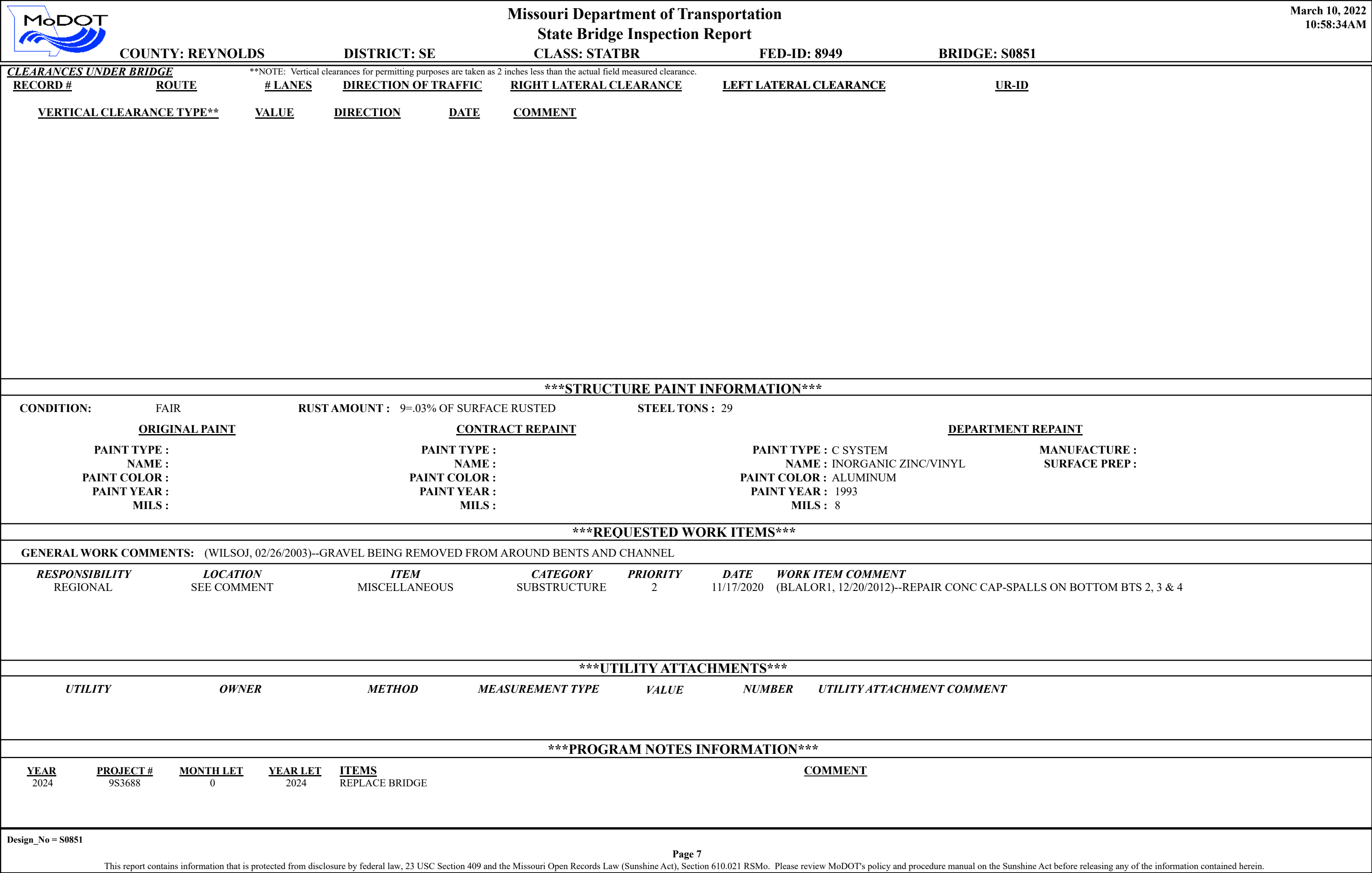
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		State Bridge Inspection Report		10:58:34AM	
COUNTY: REYNOLDS		DISTRICT: SE		CLASS: STATBR	
		FED-ID: 8949		BRIDGE: S0851	
STRUCTURE POSTING					
APPROVED CATEGORY: S-7		TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.			
Ton 1: 18		Ton 2:		Ton 3:	
COMMENTS:					
FIELD CATEGORY: S-7		TRUCKS OVER 18 TONS 15 MPH ON BRIDGE.			
Ton 1: 18		Ton 2:		Ton 3:	
COMMENTS:		PROBLEM:		PROBLEM DIRECTION:	
GENERAL COMMENTS/MAJOR RATED ITEMS					
GENERAL COMMENTS: (BOWDEJ1, 08/28/2008)--(35'-32'-49'-22') SMP WF GRD SPANS (STRNGTHN GDR'S ON BR '94)					
[ITEM 58] DECK: 4-POOR CONDITION		COMMENTS: (SHUNAT1, 11/19/2018)--EDGE DETERIORATION. GREATER THAN 40% SATURATION.			
RATING : 11/19/2018					
[ITEM 59] SUPER: 5-FAIR CONDITION		COMMENTS: (SHUNAT1, 11/19/2018)--TOP FLANGE HEAVY PACK RUST LIFTING DECK 1"			
RATING : 11/19/2018					
[ITEM 60] SUB: 4-POOR CONDITION		COMMENTS: (BLALOR1, 11/29/2012)--CAP BOTTOM SPALLS W/ REBAR EXPOSED			
RATING : 11/19/2018		(SHUNAT1, 11/19/2018)--SECTION LOSS IN EXPOSED REBAR			
[ITEM 61] BANK/CHANNEL: 6-WIDESPREAD MINOR DAMAGE		COMMENTS:			
RATING : 05/18/2001					
[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED		COMMENTS:			
RATING : 05/18/2001					
EVALUATION TYPE :					
[ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV		COMMENTS:			
RATING : 05/18/2001					
[ITEM 72] APPRRDWY ALIGNMENT: 6-SATISFACTORY		COMMENTS:			
RATING : 05/18/2001					
RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS					
[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0		RATING : 01/27/2009		COMMENTS:	
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>	
REINFORCED CONCRETE		CURB		BOTH	
STEEL		CHANNEL-DOUBLE		BOTH	
[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:	
[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:	
[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0		RATING : 05/18/2001		COMMENTS:	
Design_No = S0851					
Page 2					
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						BRIDGE: S0851	
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>CONDITION*</u>	
ASPHALT		BITUMINOUS MAT		BOTH		FAIR	
DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS							
<u>DECK PROTECTIVE COMPONENTS:</u>							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		ASPHALT		BITUMINOUS SEAL COAT	
				<u>THICKNESS</u>		<u>YEAR APPLIED</u>	
				1.4 IN		2011	
<u>COMMENT:</u>							
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
OTHER		DRIVING SURFACE				NOT APPLICABLE	
						<u>COMMENT</u>	
						(SHUNAT1, 11/19/2018)--WEARING THIN AND CRACKING	
		<u>DECK PROTECTION</u>		<u>NOTAPPLICABLE</u>		<u>NONE</u>	
<u>COMMENT:</u>							
		<u>MEMBRANE</u>		<u>NOTAPPLICABLE</u>		<u>NONE</u>	
<u>COMMENT:</u>							
<u>DRAINAGE COMPONENTS:</u>							
		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
		DRAINAGE		REINFORCED CONCRETE		CURB OUTLET	
				<u>DIRECTION</u>		<u>COMMENTS</u>	
<u>EXPANSION DEVICE COMPONENTS:</u>							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
						<u>CONSTRUCTION</u>	
						<u>GAP</u>	
						<u>YEAR APPLIED</u>	
						<u>MANUFACTURE</u>	
						<u>OVERALL CONDITION</u>	
<u>COMMENT:</u>							
<u>BANK/SLOPE PROTECTION COMPONENTS:</u>							
		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
		BANK PROTECTION		ROCK		RIP RAP	
				<u>DIRECTION</u>		<u>COMMENTS</u>	
				BOTH			
DECK COMPONENTS							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
						<u>COMMENTS</u>	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DETERIORATION		AT JOINTS				MODERATE	
DETERIORATION		EDGE				MODERATE	
PATCHES		THROUGHOUT				FEW	
REBAR EXPOSED		EDGE				MODERATE	
SATURATION		THROUGHOUT				MINOR	
SPALLS		AT JOINTS				LARGE	
TRANSVERSE CRACKS		THROUGHOUT				MANY	
						<u>MEASUREMENT</u>	
						10 %	
						<u>COMMENT</u>	
						(BLALOR1, 11/29/2012)--W/ EFFL	
						(BLALOR1, 11/29/2012)--@ DRAIN OUTLETS	
<u>MAIN SPANS-2</u>		<u>DECK</u>		<u>REINFORCED CONCRETE</u>		<u>CAST-IN-PLACE</u>	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
						<u>MEASUREMENT</u>	
						<u>COMMENT</u>	
Design_No = S0851							
Page 3							
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COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS					***ADVANCED SIGN INFORMATION***	
NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.					SIGN #	
					SIGN TYPE	
					PROBLEM	
					PROBLEM DIRECTION	
<u>Rated Item</u>					<u>Rating</u>	
					<u>Rating Date</u>	
[Item 67] Structure Evaluation Rating:					2-BASICALLY INTOLRBLE REQ	
[Item 68] Deck Geometry Rating:					4-MEETS MINIMUM TOLERABLE	
[Item 69] Underclearance:					N-NOT APPLICABLE	
Sufficiency Rating:					8.6%	
Deficiency:					STRUCTURAL	
Funding Eligibility:					FULL	
Estimated New Structure Length:					171 FT.	
Estimated Structure Cost:					\$533,417	
Estimated Total Project Cost:					\$800,126	
Year of Cost Estimate:					2022	
NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.						
					OUTFALL INSPECTION INFORMATION	
					# OUTFALLS:	
					INSPECTOR:	
					STATUS:	
					DATE:	
					NOTES:	